

CLAIMS

1. Mechanism to removably anchor a side area (3) of a visor (20) to the cap (2) of a helmet so that the visor rotates in relation to the eyeport opening (12) of the helmet, of the type comprising:

- 5 - a base structure (1), anchored to the cap, and provided with at least one circular guide groove (4a) substantially orthogonal to the axis of rotation (A-A) of the visor and which has at least one widened portion defining an opening (5a);
- 10 - at least one hooking element (22a) integral with said side area of the visor and suitable to engage slidingly inside the aforesaid circular groove, the hooking element being held in place by the circular guide groove except when corresponding to the opening defined by said widened portion;

15 the mechanism also being characterized in that it comprises at least one locking tab (6) positioned substantially in correspondence to said at least one widened portion and made to translate, along an axis coinciding with or substantially parallel to the axis of rotation (A-A) of the visor, between a position in which said locking tab intercepts said at least one widened portion, reducing the opening (5a), and a position in which said locking tab is 20 disengaged from said at least one widened portion, freeing the opening (5a).

25 2. Mechanism as claimed in claim 1, in which said base structure comprises a cylindrical seat (9) and characterized in that it comprises a button (7) mounted elastically inside said cylindrical seat and connected to said at least one locking tab, said button being anchored to translate along the axis of said cylindrical seat to allow translation of said locking tab.

3. Mechanism as claimed in claim 2, characterized in that it comprises one or more springs (8), interposed between said button and the base of said cylindrical seat for elastic mounting of the button.

4. Mechanism as claimed in claim 3, in which said one or more springs hold the button in a position in which said locking tab is pushed in said position to intercept said at least one widened portion.
5. Mechanism as claimed in any one of the claims from 2 to 4, characterized in that said button comprises an elastically deformable projection (18) which engages in an axial housing (16), obtained in the internal side wall of the cylindrical seat (9), for translation along the axis of said cylindrical seat of the button.
10. Mechanism as claimed in any one of the claims from 2 to 5, characterized in that the axis of said cylindrical seat coincides with or is parallel to the axis (A-A) around which the visor rotates and said locking tab is integral with the button.
15. Mechanism as claimed in any one of the claims from 2 to 6, characterized in that said button comprises an upper cylindrical projection (19) on which said side area (3) pivots by means of a corresponding hole (21) produced on said side area of the visor.
20. Mechanism as claimed in claim 7, characterized in that the opening defined by said at least one widened portion of the guide groove is set apart from the axis of said upper cylindrical projection of the button to allow said hooking element to be inserted in the guide and to prevent simultaneous coupling of the upper projection of the button with said hole on the side area of the visor.
25. Mechanism as claimed in any one of the claims from 2 to 8, characterized in that said locking tab is inserted in a through hole (10) produced on a side wall of said cylindrical seat.
10. Mechanism as claimed in any one of the previous claims, characterized in that said at least one hooking element is anchored by said at least one guide groove to slide along the trajectory defined by said at least one groove, except when corresponding to said at least one widened portion, in

which said at least one guide element may translate in a direction substantially orthogonal to the axis of rotation of the visor to disengage from said guide groove.

11. Mechanism as claimed in any one of the previous claims, characterized

5 in that said at least one widened portion of the groove is disposed so that said at least one hooking element integral with the visor is positioned corresponding to the opening defined by said widened portion only when the visor is in its fully open position in relation to the eyeport opening of the helmet.

10 12. Mechanism as claimed in any one of the previous claims, characterized in that it comprises two circular guide grooves (4a, 4b), reciprocally opposite in relation to the axis of rotation of the visor, each of which has at least one widened portion (14a, 14b) defining an opening (5a, 5b) for two respective hooking elements (22a, 22b) integral with said side area (3) of the visor
15 (20).

13. Mechanism as claimed in any one of the previous claims, characterized in that said base structure comprises through holes (17a, 17b) for the insertion of threaded fixing elements (11a, 11b).

14. Mechanism as claimed in claim 13, characterized in that said through
20 holes in the base structure are elongated slots and the mechanism also comprises an auxiliary plate (29) interposed between said base structure and said cap.

15. Mechanism as claimed in claim 14, characterized in that said base structure comprises one or more toothed zones (131a, 131b) suitable to
25 couple with one or more respective toothings (130a, 130b) integral with said auxiliary plate to regulate the distance of the visor from the cap.

16. Mechanism as claimed in any one of the previous claims, in which said at least one hooking element (22a) is concave "C" shaped and said at least one guide groove has a supporting and retaining rim (13a) against which the

end surface (25) of the concavity of said at least one "C" shaped hooking element engages slidingly.

17. Mechanism as claimed in claim 16, in which when the end surface of the concavity of said at least one "C" shaped hooking element is engaged

5 with said supporting rim, said locking tab can occupy said position to intercept the opening.

18. Mechanism as claimed in any one of the previous claims, characterized in that said base structure comprises one or more teeth (15) to engage with one or more teeth (23) integral with said side area of the visor.

10 19. Helmet for use in motorcycling characterized in that it is provided with a pair of mechanisms as claimed in any one of the previous claims.